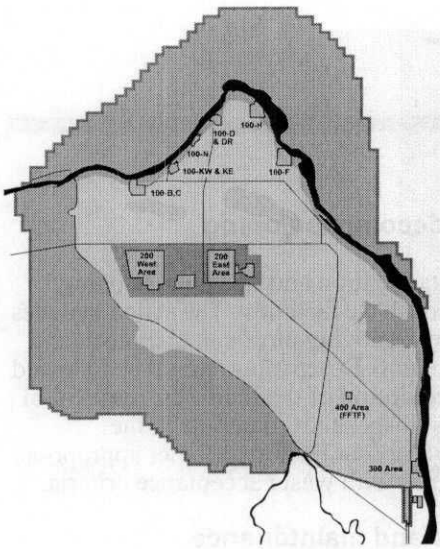
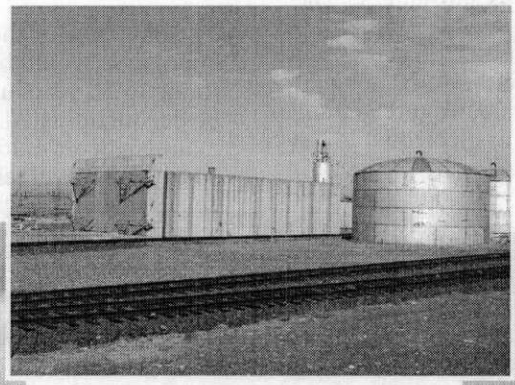
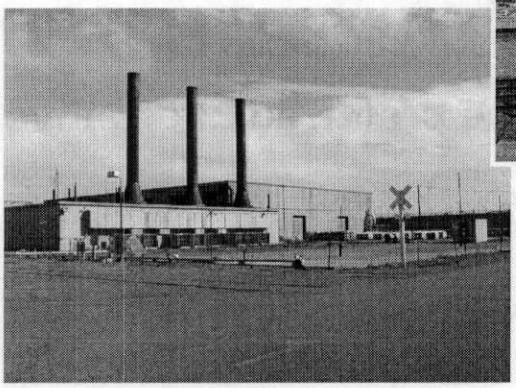


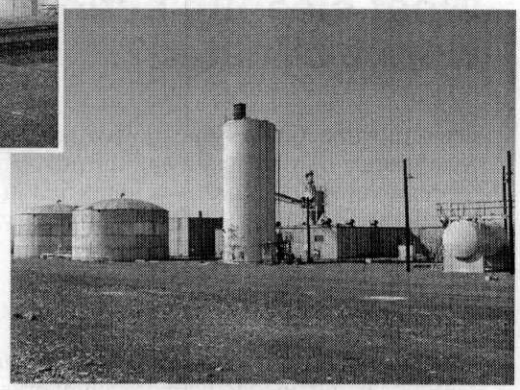
Fact Sheet

Cleanup of the 100-K Area Ancillary Facilities

U.S. Department of Energy - Washington State Department of Ecology - U.S. Environmental Protection Agency







The U.S. Department of Energy, Washington State Department of Ecology, and the U.S. Environmental Protection Agency (Tri-Party Agreement agencies) would like your input on the *Engineering Evaluation/Cost Analysis for the 100-K Area Ancillary Facilities*, DOE/RL-2004-43. The engineering evaluation/cost analysis (EE/CA) evaluates alternatives for final disposition of 27 ancillary facilities located in the 100-K Area of the Hanford Site.

Background

The 100-K Area is located at the northern end of the Hanford Site in southeastern Washington state, along a section of the Columbia River known as the Hanford Reach. The 100-K Area includes 27 inactive ancillary facilities or support buildings associated with the KE and KW reactors.

Construction of the KE and KW reactor areas began in 1952. The reactors were completed in 27 months and began operation in 1955. Operation of the KW and KE Reactors was discontinued in 1970 and 1971, respectively. The reactor buildings and ancillary facilities became contaminated with chemical and radiological hazardous substances during operations. As the buildings deteriorate it is becoming more difficult to prevent site workers from being exposed to the contaminants, as well as increasing the potential threat of a release of contaminants to the environment or the public.

Public Comment

The Tri-Party agencies want your feedback on the 100-K Area Ancillary Facilities EE/CA.

The public comment period is **Oct 20 - Nov 19, 2004.**

Fact Sheet

What is an Engineering Evaluation/Cost Analysis?

An Engineering Evaluation/Cost Analysis (EE/CA) evaluates feasible and cost-effective alternatives for proposed removal actions, and recommends a specific removal action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

A Removal Action is a discrete, short-term action taken to protect public health, welfare, or the environment from an actual or potential release of hazardous substances. The removal action proposed for the 100-K Area Ancillary Facilities will take more than 6 months to plan and execute, and is not time-critical. The EE/CA outlines the goals of this removal action, identifies and evaluates three removal action alternatives, and recommends a selected alternative for the facilities.

What cleanup actions were evaluated?

The removal action for the 100-K Area Ancillary Facilities must protect human health and the environment, and meet the removal action objectives identified in the evaluation. Based on the criteria, the following removal action alternatives were evaluated:

No action

Under the no action alternative, Hanford Site access controls would be maintained to help prevent worker or public entry to the contaminated facilities. No other specific controls would be established for the facilities.

Decontamination and decommissioning

The objective of the decontamination and decommissioning (D&D) alternative is to demolish the facilities. The action includes deactivating the facilities by removing physical, chemical, and radiological barriers to demolition. Deactivation would be followed by decontamination and demolition of the facilities, removal of contaminated materials, and disposal of materials at the Environmental Restoration Disposal Facility or other appropriate disposal facility in accordance with waste acceptance criteria.

Long-term surveillance and maintenance

The objective of the long-term surveillance and maintenance alternative would be to sustain the facilities in a safe condition for up to 26 years until final demolition. The facilities would not be decontaminated. To the extent possible, surveillance and maintenance would be performed to minimize the potential for an environmental release and protect the workers while maintaining compliance with applicable standards in state and federal regulations and DOE orders. After 26 years, the actions described in the D&D alternative will be initiated.

What is the preferred alternative?

The Tri-Party Agencies have selected D&D as the preferred alternative for the 100-K Area Ancillary Facilities. The estimated cost for D&D is $27.7 million. The alternative would protect human health and the environment by removing all contaminants to levels that would allow unrestricted use of the land surface.

How you may become involved

The 30-day public comment period for the 100-K Area Ancillary Facilities EE/CA is Oct. 20-Nov. 19, 2004. The Tri-Party agencies would like your feedback on this document and will consider all comments before finalizing it. **To request a copy of the document, or to submit comments in a written or electronic format, please contact:**

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To request the Tri-Party agencies to arrange a public meeting on the 100-K Area Ancillary Facilities EE/CA, please contact Chris Smith, above, on or before October 30, 2004.